

<b>ORDER FOR SUPPLIES OR SERVICES</b>										PAGE 1 OF 23	
1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. <b>N65540-15-D-0005</b>			2. DELIVERY ORDER/ CALL NO. <b>N6449819FBB36</b>		3. DATE OF ORDER/CALL (YYYYMMDD) <b>2019 Aug 22</b>		4. REQ./PURCH. REQUEST NO. <b>1300798886</b>		5. PRIORITY		
6. ISSUED BY NAVAL SURFACE WARFARE CENTER PHILA (b) (6)(b) (6)(b) (6)(b) (6) (b) (6)(b) (6)(b) (6)(b) (6)(b) (6)(b) (6) 5001 SOUTH BROAD STREET PHILADELPHIA PA 19112			CODE <b>N64498</b>		7. ADMINISTERED BY (if other than 6) CODE  <b>SEE ITEM 6</b>				8. DELIVERY FOB <input type="checkbox"/> DESTINATION <input checked="" type="checkbox"/> OTHER  (See Schedule if other)		
9. CONTRACTOR GENERAL DYNAMICS INFORMATION TECHNOLOGY, GDIT NAME AND ADDRESS 3150 FAIRVIEW PARK DR STE 100 FALLS CHURCH VA 22042-4504			CODE <b>07MU1</b>		FACILITY		10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) <b>SEE SCHEDULE</b>		11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED		
							12. DISCOUNT TERMS		13. MAIL INVOICES TO THE ADDRESS IN BLOCK See item 15		
14. SHIP TO NAVAL SURFACE WARFARE CENTER PHILA (b) (6)(b) (6)(b) (6)(b) (6) NSWC PHILADELPHIA DIVISION 1601 LANGLEY AVENUE BLDG 542 PHILADELPHIA PA 19112			CODE <b>N64498</b>		15. PAYMENT WILL BE MADE BY CODE <b>HQ0338</b> DFAS COLUMBUS CENTER, SOUTH ENTITLEMENT O P.O. BOX 182264 COLUMBUS OH 43218-2264				MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.		
16. TYPE OF ORDER		DELIVERY/ CALL		<input checked="" type="checkbox"/> X		This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.					
		PURCHASE				Reference your quote dated Furnish the following on terms specified herein. REF:					
ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.											
NAME OF CONTRACTOR			SIGNATURE			TYPED NAME AND TITLE			DATE SIGNED (YYYYMMDD)		
<input type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies:											
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE  <b>See Schedule</b>											
18. ITEM NO.		19. SCHEDULE OF SUPPLIES/ SERVICES				20. QUANTITY ORDERED/ ACCEPTED*		21. UNIT	22. UNIT PRICE	23. AMOUNT	
		<b>SEE SCHEDULE</b>									
* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.						24. UNITED STATES OF AMERICA (b) (6)(b) (6)(b) (6)(b) (6) (b) (6)(b) (6)(b) (6)(b) (6)(b) (6)(b) (6) (b) (6)(b) (6)(b) (6)(b) (6)(b) (6)(b) (6)		<b>(b) (6)</b>		25. TOTAL \$151,483.57	
27a. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED						CONTRACTING / ORDERING OFFICER		26. DIFFERENCES			
b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE						c. DATE (YYYYMMDD)		d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE			
e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE						28. SHIP NO.		29. DO VOUCHER NO.		30. INITIALS	
f. TELEPHONE NUMBER						g. E-MAIL ADDRESS		<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		32. PAID BY	
36. I certify this account is correct and proper for payment.						31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		33. AMOUNT VERIFIED CORRECT FOR		34. CHECK NUMBER	
a. DATE (YYYYMMDD)		b. SIGNATURE AND TITLE OF CERTIFYING OFFICER						35. BILL OF LADING NO.			
37. RECEIVED AT		38. RECEIVED BY		39. DATE RECEIVED (YYYYMMDD)		40. TOTAL CONTAINERS		41. S/R ACCOUNT NO		42. S/R VOUCHER NO.	

## Section B - Supplies or Services and Prices

**FULLY FUNDED**

This Award has hereby been fully funded in the amount of [REDACTED]. As a result, the total amount of funding obligated and available for payment under this order is [REDACTED]. In accordance with contract clause 52.232-22, Limitation of Funds, the Government is not obligated to reimburse the contractor for any costs incurred in excess of \$ [REDACTED].

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003	Engineering and Technical Services CPFF				[REDACTED]
				ESTIMATED COST FIXED FEE	[REDACTED]
				TOTAL EST COST + FEE	[REDACTED]

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003AA	Holding SLIN for CLIN 0003 CPFF	1	Lot		[REDACTED]
	This priced SLIN is a holding SLIN for administrative purposes. This SLIN has been fully funded at time of award. FOB: Destination PSC CD: R425				
				ESTIMATED COST FIXED FEE	[REDACTED]
				TOTAL EST COST + FEE	[REDACTED]

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003AB	Funding for CLIN 0003 CPFF In support of the Navy Modernization Programs of Hull Material and Electronics (HM&E) systems. Technical services are further described in the Statement of Work. FOB: Destination PURCHASE REQUEST NUMBER: 1300796696 PSC CD: R425	1	Lot		
				ESTIMATED COST FIXED FEE	
				TOTAL EST COST + FEE	
	ACRN AA CIN: 130079669600001				

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0004	Support Costs COST				
				ESTIMATED COST	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0004AA	Holding SLIN for CLIN 0003 COST This priced SLIN is a holding SLIN for administrative purposes. This SLIN has been fully funded at time of award. FOB: Destination PSC CD: R425	1	Lot		
				ESTIMATED COST	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0004AB	<p>Funding for CLIN 0004</p> <p>COST</p> <p>Includes material and incidental subcontracting and other direct costs in support of CLIN 0003 in accordance with the Statement of Work.</p> <p>FOB: Destination</p> <p>PURCHASE REQUEST NUMBER: 1300796696</p> <p>PSC CD: R425</p>	1	Lot		
	<p>ACRN AA</p> <p>CIN: 130079669600002</p>			ESTIMATED COST	

Section C - Descriptions and Specifications

STATEMENT OF WORK



**Philadelphia**

**CG ISC TECH REFRESH**

**CG 57 (USS LAKE CHAMPLAIN)  
CG 58 (USS PHILIPPINE SEA)**

**STATEMENT OF WORK**

N65540-15-D-0005

N6449819FBB36

Page 6 of 23

**4/2/2019**

**BACKGROUND:**

The Naval Surface Warfare Center Philadelphia Division (NSWCPD), in support of the US Navy's CG Modernization Program requires tech refresh alteration to be completed onboard the USS LAKE CHAMPLAIN (CG 57) and the USS PHILIPPINE SEA (CG 58).

**1. SCOPE:**

- 1.1. Provide labor, material, installation, and testing support services to accomplish the following on USS LAKE CHAMPLAIN (CG 57):
  - S/A 84948 – IBS Back fit on SS9 (Split-Scope)
  - MA 83143 – CG ISC OSU Upgrade (Split-Scope)
  - MA 84662 – DAU VME Power Supply Replacement
  - MA 83988 – DAU Power Supply Replacement
  - MA 84661 – ECU Power Supply Replacement
- 1.2. Provide labor, material, installation, and testing support services to accomplish the following on USS PHILIPPINE SEA (CG 58):
  - MA 83988 – DAU Power Supply Replacement
  - MA 84662 – DAU VME Power Supply Replacement
  - MA 84661 – ECU Power Supply Replacement

**2. REFERENCES**

- 2.1. USS LAKE CHAMPLAIN (CG 57):
  - 2.1.1. NAVSEA Standard Items
  - 2.1.2. USS LAKE CHAMPLAIN (CG 57) POA&M
  - 2.1.3. 438-8737984, S/A 84948 ISC IBS SS 9-17 Back-fit Mod to Blk & Elem Wrg Diagram
  - 2.1.4. 304-8737983, S/A 84948 ISC IBS SS 9-17 Back-fit Mod to Cableways & Cable Routing List
  - 2.1.5. 331-8737981, S/A 84948 ISC IBS SS 9-17 Back-fit Mod to Lighting Sys
  - 2.1.6. Technical Instruction for MA 83143 OSU Upgrade – Rack CPU Installation Guide
  - 2.1.7. Technical Instruction for MA 83143 OSU Upgrade – RSOS CPU and Monitor Installation Guide
  - 2.1.8. Technical Instruction for MA 83143 OSU Upgrade – SOSU Monitor Installation Guide
  - 2.1.9. CG 47 Class Test Procedure OSU SS20 Upgrade Power Up Test Procedure No. 330003/20-CG57
  - 2.1.10. Technical Instruction for MA 83988 DAU Power Supply Replacement
  - 2.1.11. Technical Instruction for MA 84661 ECU Power Supply Replacement
  - 2.1.12. Technical Instruction for MA 84662 VME Power Supply Replacement
  - 2.1.13. SCD for MA 83143 – CG ISC OSU Upgrade
  - 2.1.14. SCD for MA 83988 – DAU Power Supply Replacement
  - 2.1.15. SCD for MA 84662 – DAU VME Power Supply Replacement
  - 2.1.16. SCD for MA 84661 – ECU Power Supply Replacement

- 2.1.17. AIT Support Services Request for CG 57
- 2.1.18. MIL-STD-2003, Department of Defense Standard Practice Electric Plant Installation Standard Methods (EPISM) for Surface Ships and Submarines
- 2.1.19. (10001) OD32382 Rev F, Grounding and Bonding Equipment Enclosures, Chassis and Cases Design and Installation
- 2.1.20. MIL-STD-1310, Department of Defense Standard Practice Shipboard Bonding, Grounding and Other Techniques for Electromagnetic Compatibility, Electromagnetic Pulse (EMP) Mitigation and Safety
- 2.1.21. MIL-DTL-22520G, General Specification for Crimping Tools and Wire Termination
- 2.1.22. CG 57 Asset Recovery List
- 2.1.23. 605-2540769 Rev D, Label Plate Standards
- 2.1.24. NAVSEA 9090-310G SHIPALT by Alteration Installation Team NSWCPD Installation
- 2.1.25. S0400-AD-URM-010/TUM, Tag-Out User's Manual
- 2.1.26. CG 57 GFM List

**The following SIDs for CG 57 are provided for info only and are not for AIT install:**

- 2.1.27. 185-8737978, S/A 84948 ISC IBS SS 9-17 Back-fit CIC FDN Mods
- 2.1.28. 185-8737979, S/A 84948 ISC IBS SS 9-17 Back-fit Pilot House FDN Mods
- 2.1.29. 185-8737980, S/A 84948 ISC IBS SS 9-17 Back-fit Computer Central FDN Mods
- 2.1.30. 401-8737982, S/A 84948 ISC IBS SS 9-17 Back-fit Mod to ARR
- 2.1.31. 512-8738010, S/A 84948 HVAC Sys Mod
- 2.1.32. 662-8738011, S/A 84948 ISC IBS SS 9-17 Back-fit CIC Mod to False Deck

**2.2. USS PHILIPPINE SEA (CG 58):**

- 2.2.1. NAVSEA Standard Items
- 2.2.2. USS PHILIPPINE SEA (CG 58) POA&M
- 2.2.3. MA 83988 – DAU Power Supply Replacement
- 2.2.4. MA 84662 – DAU VME Power Supply Replacement
- 2.2.5. MA 84661 – ECU Power Supply Replacement
- 2.2.6. MIL-STD-2003, Department of Defense Standard Practice Electric Plant Installation Standard Methods (EPISM) for Surface Ships and Submarines
- 2.2.7. (10001) OD32382 Rev F, Grounding and Bonding Equipment Enclosures, Chassis and Cases Design and Installation
- 2.2.8. MIL-STD-1310, Department of Defense Standard Practice Shipboard Bonding, Grounding and Other Techniques for Electromagnetic Compatibility, Electromagnetic Pulse (EMP) Mitigation and Safety
- 2.2.9. MIL-DTL-22520G, General Specification for Crimping Tools and Wire Termination
- 2.2.10. CG 58 Asset Recovery List
- 2.2.11. 605-2540769 Rev D, Label Plate Standards
- 2.2.12. NAVSEA 9090-310G SHIPALT by Alteration Installation Team NSWCPD Installation



- 2.2.13. S0400-AD-URM-010/TUM, Tag-Out User's Manual
- 2.2.14. CG 58 GFM List

### **3. REQUIREMENTS:**

#### **3.1. For the USS LAKE CHAMPLAIN (CG 57):**

- 3.1.1. The AIT shall accomplish all hot work associated with the required electrical modifications for S/A 84948 using the provided Ship Installation Drawings (SIDs), References 2.1.3 through 2.1.5, and the associated references for guidance. This includes welding, burning, grinding, and all other spark producing operations that require a fire watch. This effort is required for installing new, or modifying existing cableways and foundations, and to accommodate new and rerouted cables and enclosures. Cableways may include, but not be limited to cable support brackets, collars, Multiple Cable Transits (MCTs), Multiple Cable Passageways (MCPs), stack studs, and stuffing tubes. Cableway structure that is no longer being used due to cable rip-out is required to be removed IAW 009-73.
- 3.1.2. The AIT shall plan to include the red lines for any LARs/RLARs associated with the connections and terminations given to the AIT after solicitation at no additional cost.
  - 3.1.2.1. Any material or labor cost impacts by the LARs/RLARs received by the AIT after solicitation shall be documented via a Condition Report. See paragraph 3.1.15 for further instructions for submitting a Condition Report.
- 3.1.3. The AIT shall accomplish all internal equipment modifications for MA 83143, using References 2.1.6 through 2.1.8 and the associated references for guidance.
  - 3.1.3.1. The AIT shall disconnect and unbolt all RSOS equipment which shall then be removed by the LMA.
  - 3.1.3.2. The AIT shall bolt and connect the new RSOS equipment which shall be set on the foundations by the LMA.
- 3.1.4. The AIT shall accomplish all internal equipment modifications for MA 83988, MA 84662, and MA 84661 using References 2.1.14 through 2.1.16.
- 3.1.5. The AIT shall ground and bond equipment in accordance with References 2.1.19 and 2.1.19.
- 3.1.6. The AIT shall meet all Schedule Requirements Referenced in 2.1.2 for the installation of the alterations listed in Paragraph 1.1.

- 3.1.7. Prior to start of work the AIT shall review 2.1.3 through 2.1.16, in order to gain a complete understanding of quantity and type of Installing Activity Furnished (IAF) and consumable materials required to complete the installation.
- 3.1.8. All scrap material shall be disposed of following local requirements.
- 3.1.9. Accomplish equipment asset recovery detailed in CG 57 Asset Recovery List reference 2.1.22 Accomplish equipment/component removal and protective packing, utilizing ground straps and anti-static bags. Accomplish packing, crating, shipping, and storing (if necessary) of removed equipment and components to the designated POCs as directed by OSIC.
- 3.1.9.1. Most material to be recovered is being replaced with that being installed. As such, packing can be reused with regards to size and packaging requirements but all original labeling shall be removed and discarded.
- 3.1.9.2. Material shall be individually labeled with the following information marked clearly and visibly: Stock Number, Manufactures Part Number, removed from Hull number (Ex. Removed from CG-XX)
- 3.1.9.3. Like material shall be packaged together for shipment with final packaging reflecting the following: Stock Number, Manufacturers Part Number, removed from Hull number (Ex. Removed from CG-XX), Quantity of Units/Items inside
- 3.1.9.4. All material shall be listed on the outside of each package with the complete part number and stock number if available
- 3.1.9.5. DD1149 shall be sent electronically prior to shipment or storage to the following recipients: (b) (6)(b) (6)(b) (6)(b) (6)(b) (6)
- 3.1.9.6. Package shall be labeled/re-labeled and shipped to the below address:  
Receiving Officer FISC  
Philadelphia Naval Business Center  
1601 Langley Avenue Building 542E  
Philadelphia, PA 19112  
(b) (6)(b) (6)(b) (6)(b) (6)  
(b) (6)(b) (6)(b) (6)
- 3.1.10. The AIT shall install all electrical components in accordance with references 2.1.1 and 2.1.18 through 2.1.21.
- 3.1.11. The AIT shall accomplish the requirements of Standard Item 009-32, 009-11, and 009-26 of reference 2.1.1 for new and disturbed surfaces, lagging and

insulation, and deck covering respectively.

- 3.1.12. The AIT shall manufacture all wire markers and label plates prior to start of work in accordance with the NAVSEA FY 19 Standard Items and Reference 2.1.23. Wire markers shall be typed, not hand written.

**3.1.13. Cable Tracking Database Requirements (CDRL A016):**

- 3.1.13.1. The AIT shall submit a typed report to the OSIC, and the AIT Manager at the end of each shift.

- 3.1.13.2. The AIT shall update the Cable Tracking Database daily to reflect the status of the continuity tests of each electrical/coax conductor in accordance with reference 2.1.1, 009-73.

- 3.1.14. The AIT shall provide an MCT Manager who will be responsible for tracking all MCT's openings, closures, and testing related to the alterations referenced in paragraph 1 until completion of installation and testing. The AIT shall close all MCTs listed in references 2.1.3 through 2.1.16, as well as any additional MCTs/MCPs opened by the AIT.

- 3.1.15. The AIT shall provide copies of the Condition Reports to the OSIC and AIT Manager within 24 hours of the conditions being found. The AIT shall provide copies of the final priced Condition Reports within 72 hours from the condition found. The AIT shall create, control and furnish a Condition Report spreadsheet listing all Condition Reports, labor costs, ODC cost, date submitted, and current status; this report shall function to the satisfaction of the AIT Manager.

**3.2. For the USS PHILLIPINE SEA (CG 58):**

- 3.2.1. The AIT shall accomplish all internal equipment modifications for MA 83988, MA 84662, and MA 84661 using References 2.2.3 through 2.2.5.

- 3.2.2. The AIT shall ground and bond equipment in accordance with References 2.2.7 and 2.2.8.

- 3.2.3. The AIT shall meet all Schedule Requirements Referenced in 2.2.2 for the installation of the alterations listed in Paragraph 1.2.

- 3.2.4. Prior to start of work the AIT shall review 2.2.3 through 2.2.5, in order to gain a complete understanding of quantity and type of Installing Activity Furnished (IAF) and consumable materials required to complete the installation.

- 3.2.5. All scrap material shall be disposed of following local requirements.

- 3.2.6. Accomplish equipment asset recovery detailed in CG 58 Asset Recovery List reference 2.2.10. Accomplish equipment/component removal and protective packing, utilizing ground straps and anti-static bags. Accomplish packing, crating, shipping, and storing (if necessary) of removed equipment and components to the designated POCs as directed by OSIC.
- 3.2.6.1. Most material to be recovered is being replaced with that being installed. As such, packing can be reused with regards to size and packaging requirements but all original labeling shall be removed and discarded.
- 3.2.6.2. Material shall be individually labeled with the following information marked clearly and visibly: Stock Number, Manufactures Part Number, removed from Hull number (Ex. Removed from CG-XX)
- 3.2.6.3. Like material shall be packaged together for shipment with final packaging reflecting the following: Stock Number, Manufacturers Part Number, removed from Hull number (Ex. Removed from CG-XX), Quantity of Units/Items inside
- 3.2.6.4. All material shall be listed on the outside of each package with the complete part number and stock number if available
- 3.2.6.5. DD1149 shall be sent electronically prior to shipment or storage to the following recipients: (b) (6)(b) (6)(b) (6)(b) (6)(b) (6)
- 3.2.6.6. Package shall be labeled/re-labeled and shipped to the below address:  
Receiving Officer FISC  
Philadelphia Naval Business Center  
1601 Langley Avenue Building 542E  
Philadelphia, PA 19112  
(b) (6)(b) (6)(b) (6)(b) (6)  
(b) (6)(b) (6)(b) (6)
- 3.2.7. The AIT shall install all electrical components in accordance with references 2.2.1 and 2.2.6 through 2.2.9.
- 3.2.8. The AIT shall accomplish the requirements of Standard Item 009-32, 009-11, and 009-26 of reference 2.2.1 for new and disturbed surfaces, lagging and insulation, and deck covering respectively.
- 3.2.9. The AIT shall manufacture all wire markers and label plates prior to start of work in accordance with the NAVSEA FY 19 Standard Items and Reference 2.2.12. Wire markers shall be typed, not hand written.

3.2.10. The AIT shall provide copies of the Condition Reports to the OSIC and AIT Manager within 24 hours of the conditions being found. The AIT shall provide copies of the final priced Condition Reports within 72 hours from the condition found. The AIT shall create, control and furnish a Condition Report spreadsheet listing all Condition Reports, labor costs, ODC cost, date submitted, and current status; this report shall function to the satisfaction of the AIT Manager.

#### **4. INFORMATION/MATERIAL/SERVICES:**

##### **4.1. Government Furnished**

4.1.1. The following services are to be provided by the Government via Shipyard per references 2.1.17.

4.1.2. The GFM in references 2.1.26 and 2.2.14 shall be provided to the AIT for completion of the installation.

##### **4.2. AIT Furnished**

4.2.1. The AIT shall provide all applicable Installing Activity Furnished (IAF) Material as per paragraphs 3.1.7 & 3.2.4. The AIT shall also procure all miscellaneous, incidentals, and consumable material required to complete the installation.

4.3. The contractor shall accept and stage for Government Furnished Material (GFM), including installation check out spares, as determined by the Government and provided for in the applicable installation drawings. The contractor shall also provide for the transportation of material between the contractor's storage facility and the ship. The contractor shall maintain identity of all items of material associated with the ship using DD form 1149's. The contractor shall maintain and update the material list detailing status of the material. This status will include material nomenclature, part number, quantity, location and person issued to.

#### **5. DELIVERABLES:**

5.1. As required by 009-60 of 2.1.1, the AIT shall provide a detailed installation schedule (MS Project POA&M) that supports the availability milestones and the equipment turnover dates detailed in 2.1.2, two weeks after award of contract. The AIT will update this POA&M on a weekly basis and more frequently as schedules change, workflow problems occur, or other conditions warrant. This POA&M shall be provided to Ship's Force, LMA, Regional Maintenance Centers (RMCs), NSWCPD representatives, and other activities as necessary to ensure that proper support is available and interference or delays are minimized. The updated POA&M shall be submitted to NSWCPD personnel no later than noon the day prior to the RMC weekly progress meeting. (CDRL A003).

5.2. Using NAVSEA FY 19 Standard Item 009-004 and Reference 2.1.24, the AIT shall develop a QA Workbook to be maintained and updated on-site for each alterations

- listed in paragraphs 1.1 & 1.2. This Workbook shall be used to keep an in-process record of Quality Control Inspections and be provided to NSWCPD for review, within sixty (60) days of contract award or ninety (90) days prior to installation start, whichever date comes first. A completed copy of the QA Workbook shall be provided to NSWCPD Personnel within two weeks after completion of availability. **(CDRL A004)** The QA Workbook shall be formatted as follows:
- 5.2.1. Sect. 1 Alteration Description
  - 5.2.2. Sect. 2 Personnel Qualifications and Certifications
  - 5.2.3. Sect. 3 Procedures Objective Quality Evidence (OQE)
  - 5.2.4. Sect. 4 Installation POA&M
  - 5.2.5. Sect. 5 Ship Installation Drawing (SID) List
  - 5.2.6. Sect. 6 Test and Inspection (T&I) Plan – This plan should identify areas requiring In-Process inspections by annotating steps as Inspection (I), Verification (V), or Government (G) Points. This plan shall also incorporate all testing requirements.
  - 5.2.7. Sect. 7 Test & Inspection Records
- 5.3. A Bi-Monthly Financial Status Report shall be assembled by the AIT and submitted to the NSWCPD AIT Manager no later than noon the day prior to the weekly progress meeting **(CDRL A002)**.
- 5.4. The AIT shall attend all daily/weekly production meetings and the daily safety walkthrough as well as provide weekly physical progress report detailing the installation status to the OSIC and SMR no later than noon the day prior to the weekly progress meeting during the installation and cable testing phases **(CDRL A007)**.
- 5.5. Prior to start of the availability and utilizing the SIDs, GFM list (References 2.1.26 & 2.2.14), and POA&Ms (References 2.1.2 & 2.2.2), the AIT shall develop a material tracking list detailing material required (GFM & IAF) to complete the installation and testing. This database shall include material nomenclature, GFM, IAF status, part number, quantity, location, tracking number, and person issued to. This database shall be updated weekly or as material status changes and submitted to NSWCPD Personnel. Upon completion of the installation, an electronic copy of this database shall be submitted to NSWCPD. The AIT shall maintain a list of all material issued to the ship using a DD 1149 Form. AIT shall provide copies of the DD 1149 Forms to NSWCPD OSIC or AIT Manager. **(CDRL A011)**
- 5.6. The AIT shall create a Microsoft Access/Excel Cable Tracking Database utilizing References 2.1.3 through 2.1.5. This database shall be used to detail the status of all hook-up sheets, wire markers, cable/coax/copper connections, and testing progress. This database shall be capable of compiling connection and test information into a connection/test report. This report shall include percentage of cables verified, continuity tested, insulation resistance tested, cut into equipment, connection completed, electrician completing hook-up and electrician completing continuity test. **(CDRL A016)**

5.6.1. The applicable section of the connection/testing report of 5.6 shall be posted on each piece of equipment. During hook-up and testing, the electrician shall update this report to reflect progress of work accomplished on a daily basis.

5.6.2. This database shall be delivered to the SMR and OSIC seven working days prior to start of installation, daily during the core alteration installation and test meeting, and upon end of sea trials. The completed version of this database shall be provided to the SMR, OSIC, and AIT Manager at the completion of installation and testing.

5.7. The AIT shall turn over 2 sets of red-lined drawings to the AIT Manager or OSIC for all completed alterations on USS LAKE CHAMPLAIN (CG 57) at the end of the availability within 14 days of completion. One set is a hard copy that will be delivered to the ship. The other set must be electronically sent to the AIT Manager. (CDRL A008)

## **6. PLACE OF PERFORMANCE**

6.1. San Diego, California is the anticipated location of the USS LAKE CHAMPLAIN (CG 57) installation.

6.2. Mayport, Florida is the anticipated location of the USS PHILIPPINE SEA (CG 58) installation.

## **7. SCHEDULE AND HOURS OF WORK**

7.1. For the USS LAKE CHAMPLAIN (CG 57):

7.1.1. Installation schedule will be determined by the schedule of the USS LAKE CHAMPLAIN (CG 57). The installation is tentatively scheduled for 06/04/2019 through 03/24/2020.

7.1.2. The work hours shall be Monday through Saturday from 0600 to 1630. These hours may adjust based on progress during the installation.

7.1.3. Overtime is approved for the AIT in order to complete the installation and testing within the periods of ship availability. Coordination with the AIT manager is required.

7.2. For the USS PHILIPPINE SEA (CG 58):

7.2.1. Installation schedule will be determined by the schedule of the USS PHILIPPINE SEA (CG 58). The installation is tentatively scheduled for 05/23/19 through 07/05/19.

7.2.2. The work hours shall be Monday through Saturday from 0600 to 1630. These

hours may adjust based on progress during the installation.

7.2.3. Overtime is approved for the AIT in order to complete the installation and testing within the periods of ship availability. Coordination with the AIT manager is required.

**8. CONTRACTING OFFICER'S REPRESENTATIVE (COR):**

8.1. The COR for this contract is (b) (6)(b) (6)(b) (6)(b) (6)(b) (6)(b) (6)

**9. SUBJECT MATTER EXPERT (SME):**

9.1. The SME for this installation is (b) (6)(b) (6)(b) (6)(b) (6)(b) (6)  
(b) (6)(b) (6)

**10. PERIOD OF PERFORMANCE:**

10.1. Date of Award through 04/30/2020.

**11. NSWCPD ELECTRONIC COST REPORTING AND FINANCIAL TRACKING (eCRAFT) SYSTEM**

11.1. The Contractor is required to upload their Contractor's Funds and Man-hour Expenditure Reports in the Electronic Cost Reporting and Financial Tracking (eCRAFT) System. The eCRAFT Reports must use the standardized labor categories identified in Section C - Statement of Work.

11.2. The Contractor's Funds and Man-hour Expenditure Report reports contractor expenditures for labor, materials, travel, subcontractor usage, and other contract charges.

11.3. The contractor agrees to provide supporting accounting system reports, at the Contracting Officer's request, based on the review of the invoice documentation submitted to eCRAFT. This documentation will include reports such as the Job Summary Report (or equivalent), Labor Distribution Report (or equivalent), and General Ledger Detail Report (or equivalent). Supporting labor data provided must include unburdened direct labor rates for each employee and labor category. Cost breakdowns for ODCs, Materials, travel and other non-labor costs must be at the transactional level in sufficient detail so the Government can review allocability to the contract/task order. Indirect costs allocated to direct costs must be shown at the lowest level of detail sufficient to reconcile each indirect rate to the appropriate allocation base.

11.4. On invoices containing subcontractor costs, the prime contractor agrees, at the Contracting Officer's request, to attach as supporting documentation all invoices received from subcontractors, unless the subcontractor submits invoices directly to the CO and COR. This requirement applies to all subcontract types (Cost, FFP, etc.).

11.5. The contractor shall submit its reports on the same day it submits an invoice in iRAPT. The costs reflected in eCRAFT shall be the same as those in iRAPT. eCRAFT acceptance/rejection will be indicated by e-mail notification from eCRAFT.



- 11.6. The eCRAFT Periodic Report Utility (ePRU) is an Excel tool used to facilitate generating reports of expenditures-against-cost contracts. The generated XML files will then be submitted by the ePRU tool via email to NUWC\_NPT\_eCRAFT.FCT@navy.mil for submission into the eCRAFT Database Management System.
- 11.7. The ePRU spreadsheet and user manual can be obtained from the NUWC Division Newport Contracts Home Page under eCRAFT information at: <http://www.navsea.navy.mil/Home/WarfareCenters/NUWCNewport/Partnerships/Commercial-Contracts/Information-eCraft>.

## 12. Access and Security

- 12.1. All AIT personnel accomplishing tasking on this task order shall obtain and maintain a confidential security clearance for the period of performance.
- 12.2. The AIT shall request and maintaining to the shipyard and ship for all of the AIT's personnel and subcontractors in time to accomplish this installation by the end of the relevant availability or the task's respective required milestones.

**LOE**





Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
0003	N/A	N/A	N/A	N/A
0003AA	Destination	Government	Destination	Government
0003AB	Destination	Government	Destination	Government
0004	N/A	N/A	N/A	N/A
0004AA	Destination	Government	Destination	Government
0004AB	Destination	Government	Destination	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC / CAGE
0003	N/A	N/A	N/A	N/A
0003AA	POP 22-AUG-2019 TO 30-APR-2020	N/A	NAVAL SURFACE WARFARE CENTER PHILA (b) (6)(b) (6)(b) (6)(b) (6) NSWC PHILADELPHIA DIVISION 1601 LANGLEY AVENUE BLDG 542 PHILADELPHIA PA 19112 (b) (6)(b) (6) FOB: Destination	N64498
0003AB	POP 22-AUG-2019 TO 30-APR-2020	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	N64498
0004	N/A	N/A	N/A	N/A
0004AA	POP 22-AUG-2019 TO 30-APR-2020	N/A	NAVAL SURFACE WARFARE CENTER PHILA (b) (6)(b) (6)(b) (6)(b) (6) NSWC PHILADELPHIA DIVISION 1601 LANGLEY AVENUE BLDG 542 PHILADELPHIA PA 19112 (b) (6)(b) (6) FOB: Destination	N64498
0004AB	POP 22-AUG-2019 TO 30-APR-2020	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	N64498

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 1791810 81CC 251 VU021 0 050120 2D 000000  
COST CODE: A00005148789  
AMOUNT [REDACTED]

ACRN	CLIN/SLIN	CIN	AMOUNT
AA	0003AB	130079669600001	[REDACTED]
	0004AB	130079669600002	

Section I - Contract Clauses

CLAUSES INCORPORATED BY FULL TEXT

52.222-2 PAYMENT FOR OVERTIME PREMIUMS (JUL 1990)

(a) The use of overtime is authorized under this contract if the overtime premium cost does not exceed \$0.00 or the overtime premium is paid for work --

(1) Necessary to cope with emergencies such as those resulting from accidents, natural disasters, breakdowns of production equipment, or occasional production bottlenecks of a sporadic nature;

(2) By indirect-labor employees such as those performing duties in connection with administration, protection, transportation, maintenance, standby plant protection, operation of utilities, or accounting;

(3) To perform tests, industrial processes, laboratory procedures, loading or unloading of transportation conveyances, and operations in flight or afloat that are continuous in nature and cannot reasonably be interrupted or completed otherwise; or

(4) That will result in lower overall costs to the Government.

(b) Any request for estimated overtime premiums that exceeds the amount specified above shall include all estimated overtime for contract completion and shall--

(1) Identify the work unit; e.g., department or section in which the requested overtime will be used, together with present workload, staffing, and other data of the affected unit sufficient to permit the Contracting Officer to evaluate the necessity for the overtime;

(2) Demonstrate the effect that denial of the request will have on the contract delivery or performance schedule;

(3) Identify the extent to which approval of overtime would affect the performance or payments in connection with other Government contracts, together with identification of each affected contract; and

(4) Provide reasons why the required work cannot be performed by using multishift operations or by employing additional personnel.

\* Insert either "zero" or the dollar amount agreed to during negotiations. The inserted figure does not apply to the exceptions in paragraph (a)(1) through (a)(4) of the clause.

(End of clause)

**Section J - List of Documents, Exhibits and Other Attachments**

**CDRLs**

The following CDRLs will be uploaded in EDA:

A002 – Financial Report

A003 – Plan of Attack & Milestones

A004 – Quality Assurance (QA) Workbook

A007 – H&ME Modernization

A008 – Red-lined Ship Install Drawings (SIDs)

A011 – Warehouse/Staging Inventory Report

A016 – Databases or other Electronic Documents